MODULE HANDBOOK DESCRIPTION

Module designation	Stochastic Process (code)
Semester(s) in which the module is taught	*3 / second year*
Person responsible for the module	*Muhamad Syamsu Iqbal, S.T., M.T., Ph.D*
Language	*Indonesian*
Relation to curriculum	*Compulsory*
Teaching methods	*Lectures, Small Group Discussion, Case Base Method*
Workload (incl. contact hours, self-study hours)	Contact Hours every week, each week of the 16 weeks/semester : • 2 x 50 minutes lecture (2 sks/credit) total Study hours = 100 minutes/week
Credit points	*2 (~ 3,2 ECTS)*
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	1. Student are able to explain basic of design Software Engineering 2. Student are able to explain Software Requirement Process 3. Student are able to explain Software Development Model 4. Student are able to explain Software development case studies 5. Student are able design with Context Diagrams and Data Flow Diagrams from several case study 6. Student are able design with Unified Modeling Language: Use case diagrams and Sequential Diagrams from several case study 7. Student are able design with Unified Modeling Language: Collaborative diagrams and Class Diagrams from several case study
Content	Introduction Software Engineering , Software Requirement Process, Software Development Model, Software development case studies, Context Diagrams and Data Flow Diagrams from several case study, Unified Modeling Language: Use case diagrams and Sequential Diagrams from several case study, Unified Modeling Language: Collaborative diagrams and Class Diagrams from several case study
Examination forms	*Multiple choice examination and Essay , Presentation case study*

Study and examination requirements	*Per-meeting score = 5 % x 16 meeting = 80%* *Exercise Report/ Homework/Portofolio = 20%*
Reading list	1. Ian Sommerville.,Software Engineering 9ed , 2009 2. Douglas Bell , Sofware Engineering for Student A programming Approach 4ed 3. Software development from paper journal ;